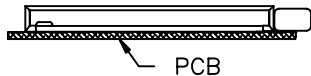





DESCRIPTION: ABOVE PCB, DECK AND PUSH ROD LOCATION ARE AS VIEW BY USER.

PRODUCT NO. 71299-XXXX	PUSH-ROD LOCATION	STAND-OFF HEIGHT	① HEADER ASSY 71249-XXXX OR 61519-XXXX	② MECHANISM ASSY 72336-XXXX	③ MATING RECEPTACLE	MOUNTING STYLE TO PCB AND PUSH-ROD SIDE
000CA	RIGHT	0.0	0000	72336-000CA	100 POSITION (2X50) 0.8mm RECEPTACLE PART NO. 73277-101000  PURCHASE SEPARATELY	 PCB
020CA	RIGHT	2.2	0022	72336-022CA		 PCB
040CA	RIGHT	4.3	0043	72336-043CA		 PCB
050CA	RIGHT	5.0	0050	72336-050CA		 PCB
050FA ②	RIGHT	5.0	0050	72336-050FA		
100CA	LEFT	0.0	0000	72336-100CA		
120CA	LEFT	2.2	0022	72336-122CA		
140CA	LEFT	4.3	0043	72336-143CA		
150CA	LEFT	5.0	0050	72336-150CA		
005CA	RIGHT	0.0	0500	72336-000CA		
025CA	RIGHT	0.0	0522	72336-000CA		
045CA	RIGHT	0.0	0543	72336-000CA		
055CA	RIGHT	0.0	0550	72336-000CA		
105CA	LEFT	0.0	0500	72336-100CA		
125CA	LEFT	0.0	0522	72336-100CA		
145CA	LEFT	0.0	0543	72336-100CA		
155CA	LEFT	0.0	0550	72336-100CA		

## ORDERING INFORMATION

## ORDER:

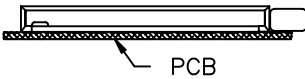
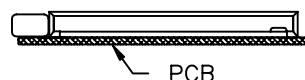




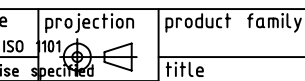

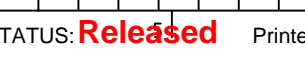
- EJECT HEADER ASSY (71299-XXXXX/XXXXLF)
- MATING RECEPTACLE (73277-101000/101402LF)

## NOTE:

- SEE 71240 FOR DOUBLE-DECK APPLICATIONS.
- PUSH BUTTON LENGTH IS 21mm FOR 71299-050FA  
& 71299-050FALF(LEAD-FREE TYPE)

mat'l. code				surface ISO 1302	tolerance ISO 406 ISO 1101	projection 1:1	product family			
ltr	ecn no	dr	date	tolerances unless otherwise specified			title			
L	V20120	RGD	1/18/02	angles	.X±.3	MM	CARDBUS SINGLE DECK ASSY SMT TYPE 123			
M	V03-0552	WL	05/29/03	linear	.XX±.13					
N	T04-0316	WL	07/12/04	±2'	.XXX±.051	scale 1:1	dwg no			
P	N05-0034	WB	02/16/05	dr	R.GRAPE	7/3/96	sheet 1 of 1 size			
R	N08-0060	MZ	06/20/06	enrg	D.BRANN	7/3/96	71299			
				chr	D.BRANN	7/3/96	A4			
				appd	D.BRANN	7/3/96	type CUSTOMER Drawing			
sheet	revision	R	R	R	R	R	R	R	R	R
index	sheet	1	2	3	4	5	6	7	8	9

DESCRIPTION: ABOVE PCB, DECK AND PUSH ROD LOCATION ARE AS VIEW BY USER.

PRODUCT NO. 71299-XXXXX	PUSH-ROD LOCATION	STAND-OFF HEIGHT	① HEADER ASSY 71249-XXXX OR 61519-XXXX	② MECHANISM ASSY 72336-XXXXX	③ MATING RECEPTACLE	MOUNTING STYLE TO PCB AND PUSH-ROD SIDE
000CALF	RIGHT	0.0	0000MLF	72336-000CA	100 POSITION (2X50) 0.8mm RECEPTACLE PART NO. 73277-101000 OR 73277-101402LF PURCHASE SEPARATELY	
020CALF	RIGHT	2.2	0022MLF	72336-022CA		
040CALF	RIGHT	4.3	0043MLF	72336-043CA		
050CALF	RIGHT	5.0	0050MLF	72336-050CA		
050FALF ②	RIGHT	5.0	0050MLF	72336-050FA		
100CALF	LEFT	0.0	0000MLF	72336-100CA		
120CALF	LEFT	2.2	0022MLF	72336-122CA		
140CALF	LEFT	4.3	0043MLF	72336-143CA		
150CALF	LEFT	5.0	0050MLF	72336-150CA		
151CALF	LEFT	5.0	0050MLF	52219-150HAM		
005CALF	RIGHT	0.0	0500MLF	72336-000CA		
025CALF	RIGHT	0.0	0522MLF	72336-000CA		
045CALF	RIGHT	0.0	0543MLF	72336-000CA		
055CALF	RIGHT	0.0	0550MLF	72336-000CA		
105CALF	LEFT	0.0	0500MLF	72336-100CA		
125CALF	LEFT	0.0	0522MLF	72336-100CA		
145CALF	LEFT	0.0	0543MLF	72336-100CA		
155CALF	LEFT	0.0	0550MLF	72336-100CA		
156CALF	LEFT	0.0	0550MLF	52219-100HAM		

### ORDERING INFORMATION

ORDER:

- EJECT HEADER ASSY (71299-XXXXX/XXXXLXF)
- MATING RECEPTACLE (73277-101000/101402LF)

NOTE:

- SEE 71240 FOR DOUBLE-DECK APPLICATIONS.
- PUSH BUTTON LENGTH IS 21mm FOR 71299-050FA & 71299-050FALF(LEAD-FREE TYPE)

mat'l. code				surface ISO 1302		tolerance ISO 406 ISO 1101		projection MM		product family	
ltr	ecn no	dr	date	tolerances unless otherwise specified		linear		scale:1:1		title	
R				angles		.X±.3				CARDBUS SINGLE DECK	
				±2'		.XX±.13				ASSY SMT TYPE 123	
						.XXX±.051				dwg no	
				dr		R.GRAPE		7/3/96		sheet 2 of 11	
				enrg		D.BRANN		7/3/96		size	
				chr		D.BRANN		7/3/96		A4	
				appd		D.BRANN		7/3/96		type	
sheet		revision								CUSTOMER	
index		sheet								Drawing	

PDM: Rev:R

STATUS: Released

Printed: May 07, 2009

6

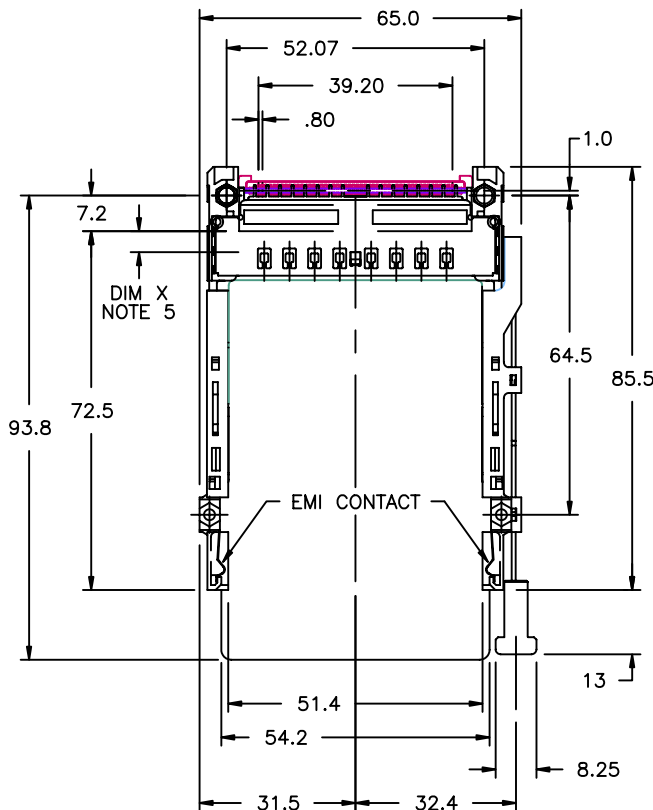


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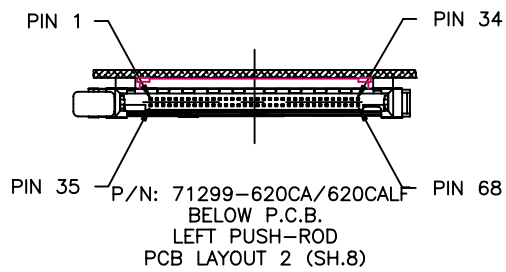
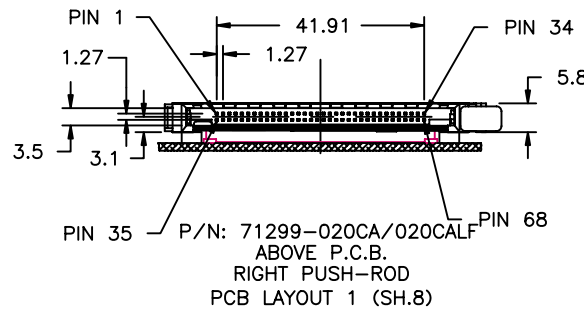
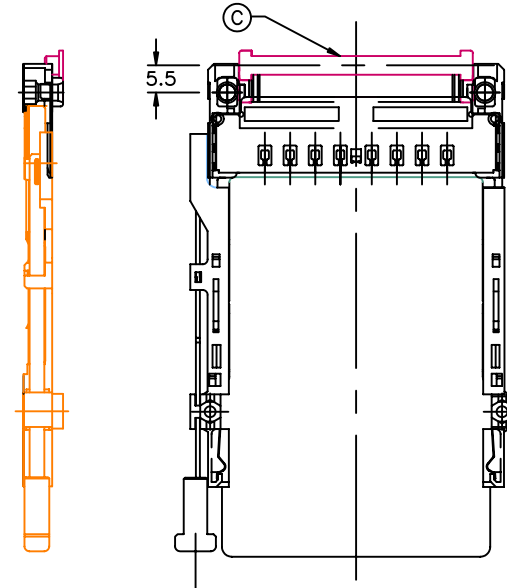
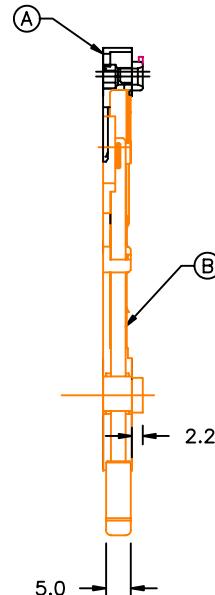
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PRODUCT NUMBER  
71299-\*\*\*\*\*/\*\*\*\*LF



MATING RECEPTACLE  
SHOWN FOR APPLICATION  
CLARITY ONLY  
MUST BE PURCHASED  
SEPARATELY



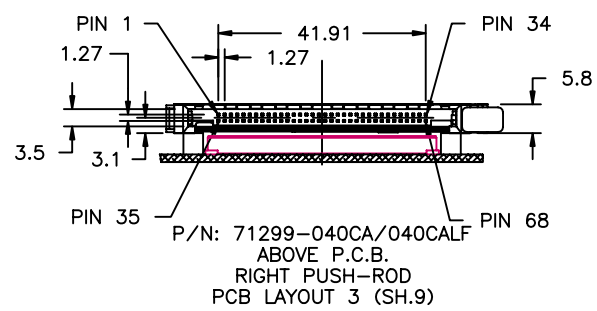
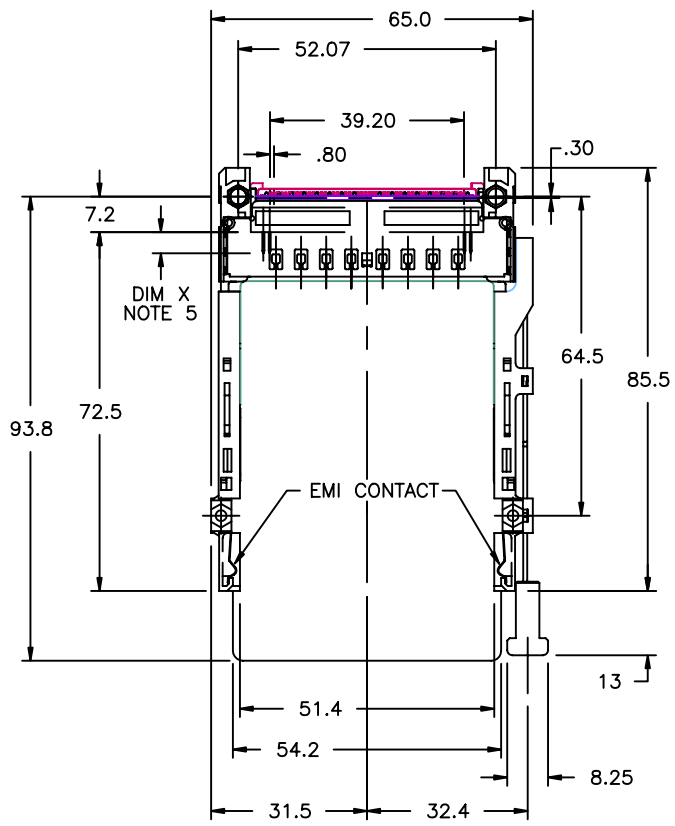
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ltr	ecm no	dr	date	tolerances unless otherwise specified			title			
R				angles	linear	MM	CARDBUS SINGLE DECK ASSY SMT TYPE 123			
				±2°	.X±.3 .XX±.13 .XXX±.051	scale:1:1	dwg no 71299 sheet 4 of 11 size A4			
				dr	R.GRAPE	7/3/96	type CUSTOMER Drawing			
				enr	D.BRANN	7/3/96				
				chr	D.BRANN	7/3/96				
				appd	D.BRANN	7/3/96				
sheet index	revision sheet									

FCI CONFIDENTIAL

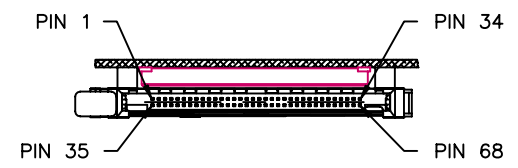
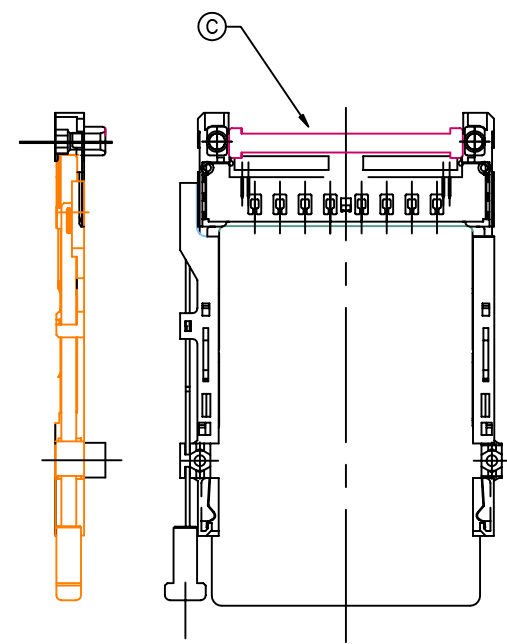
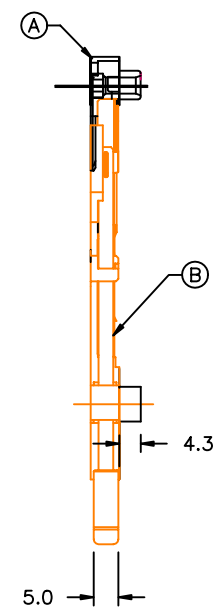


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PRODUCT NUMBER  
71299-\*\*\*\*\*/\*\*\*\*LF



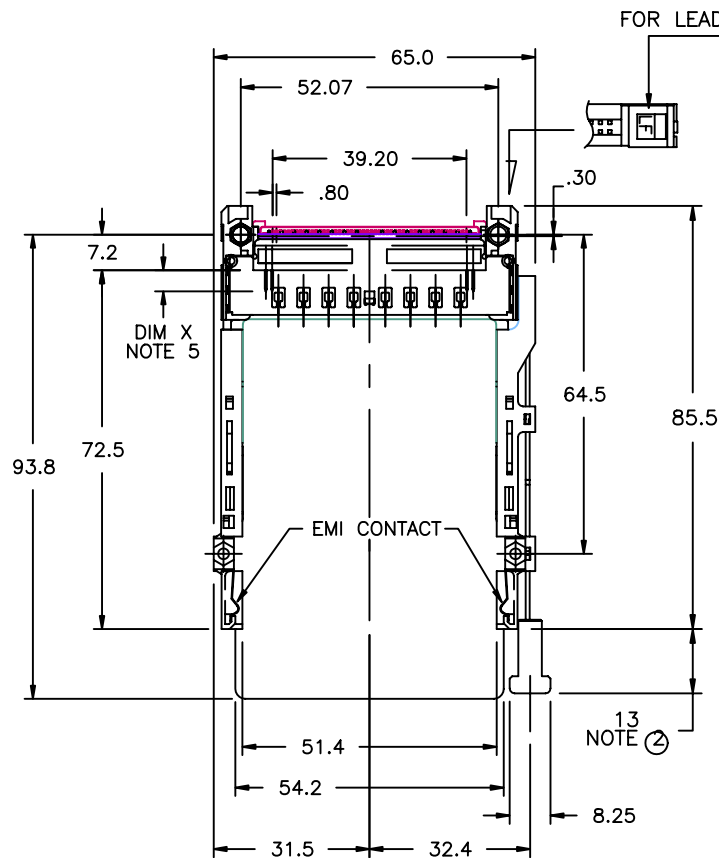
MATING RECEPTACLE  
SHOWN FOR APPLICATION  
CLARITY ONLY  
MUST BE PURCHASED  
SEPARATELY



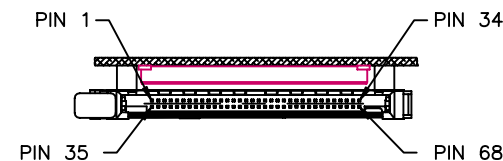
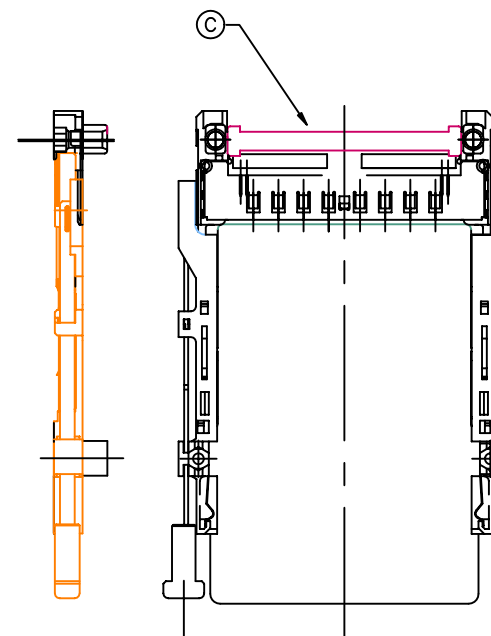
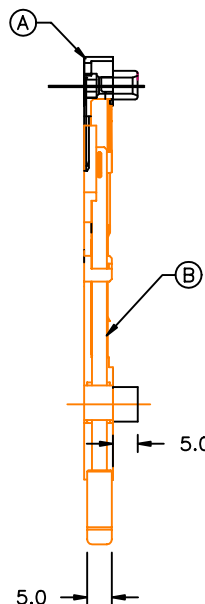
P/N: 71299-640CA/640CALF  
BELOW P.C.B.  
LEFT PUSH-ROD  
PCB LAYOUT 4 (SH.9)

mat'l. code				surface		tolerance		projection		product family						
				ISO 1302		ISO 406 ISO 1101										
ltr	ecn no	dr	date	tolerances unless otherwise specified						title						
R				angles		linear		$.X \pm .3$		 CARDBUS SINGLE DECK ASSY SMT TYPE 123						
								$.XX \pm .13$								
				$\pm 2^\circ$				$.XXX \pm .051$		scale:1:1						
				dr	R.GRAPE		7/3/96				dwg no		sheet 5 of 11		size	
				engr	D.BRANN		7/3/96				71299		A4			
				chr	D.BRANN		7/3/96									
				appd	D.BRANN		7/3/96									
sheet index		revision sheet									type		CUSTOMER		Drawing	

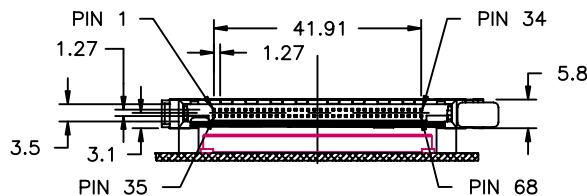
PRODUCT NUMBER  
71299-\*\*\*\*\*/\*\*\*\*LF



MATING RECEPTACLE  
SHOWN FOR APPLICATION  
CLARITY ONLY  
MUST BE PURCHASED  
SEPARATELY



P/N: 71299-650CA  
BELOW P.C.B.  
LEFT PUSH-ROD  
PCB LAYOUT 4 (SH.9)



P/N: 71299-050FA/-050FALF  
(NOTE 2)

P/N: 71299-050CA/-050CALF  
ABOVE P.C.B.  
RIGHT PUSH-ROD  
PCB LAYOUT 3 (SH.9)

mat'l. code				surface	tolerance	projection	product family	
				ISO 1302	ISO 406 ISO 1101			
ltr	ecn no	dr	date	tolerances unless otherwise specified			title	
R				angles	.X±.3	MM	CARDBUS SINGLE DECK ASSY SMT TYPE 123	
				linear	.XX±.13			
				±2°	.XXX±.051	scale 1:1		
				dr	R.GRAPE	7/3/96		
				enr	D.BRANN	7/3/96		
				chr	D.BRANN	7/3/96		
				appd	D.BRANN	7/3/96		
sheet	revision						dwg no	sheet 6 of 11 size
index	sheet						71299	A4
							type	CUSTOMER Drawing

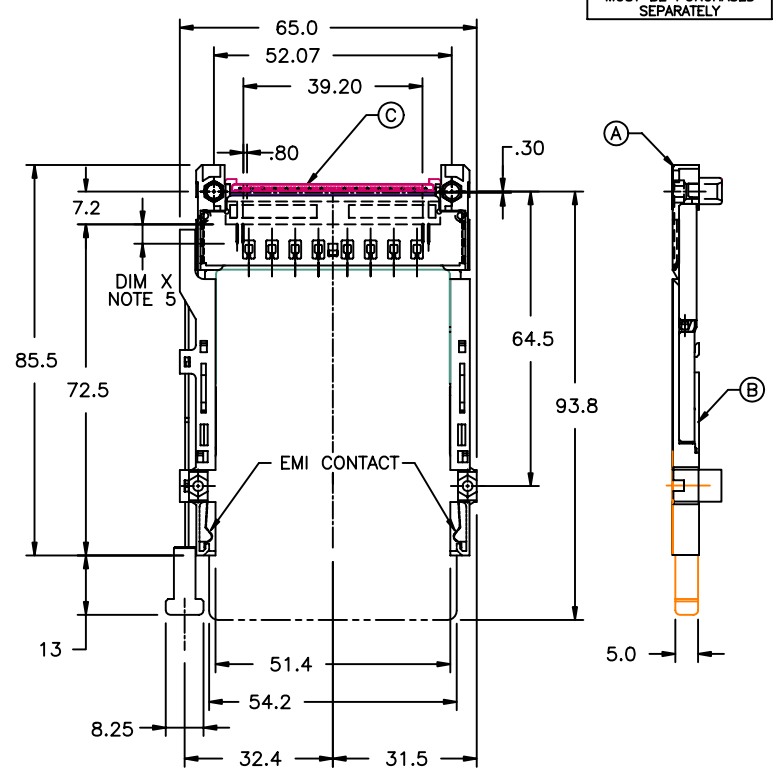
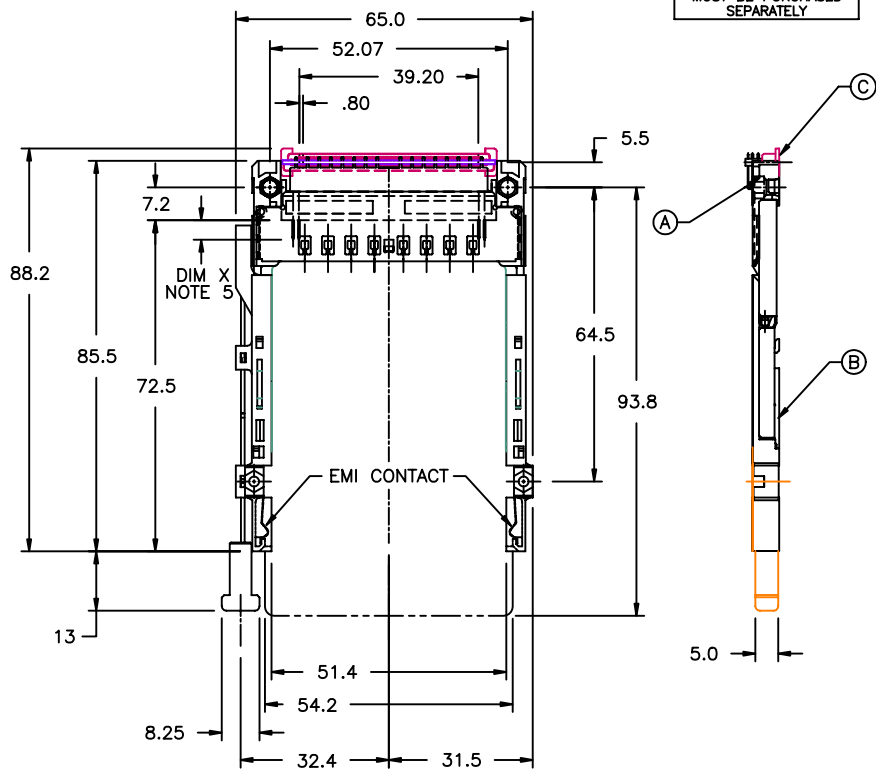
FCI CONFIDENTIAL



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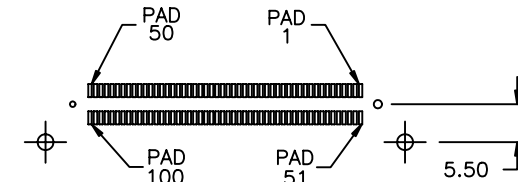
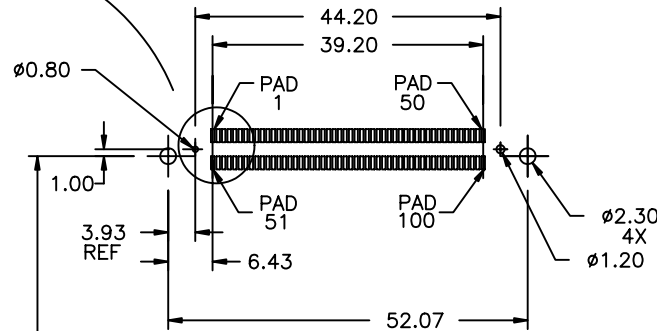
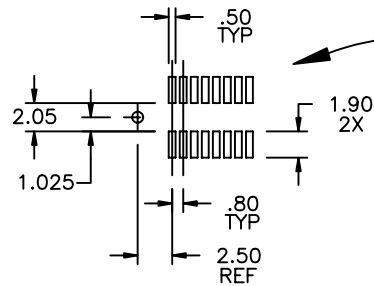
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PRODUCT NUMBER  
71299-\*\*\*\*\*/\*\*\*\*LF



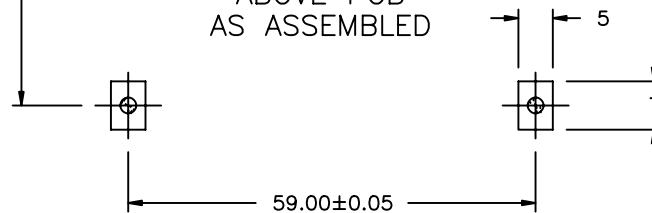
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				ISO 1302	ISO 406 ISO 1101					
ltr	ecn no	dr	date	tolerances unless otherwise specified			title			
R				angles	linear	$.X \pm .3$ $.XX \pm .13$ $.XXX \pm .051$	CARDBUS SINGLE DECK ASSY SMT TYPE 123			
				$\pm 2^\circ$		scale:1:1				
				dr	R.GRAPE	7/3/96	dwg no			
				enr	D.BRANN	7/3/96	sheet 7 of 11 size			
				chr	D.BRANN	7/3/96	71299 A4			
				appd	D.BRANN	7/3/96	type CUSTOMER Drawing			
sheet index	revision	sheet								




# P.C.B. LAYOUT FOR 2.2mm STANDOFF



P.C.B.  
LAYOUT 1  
ABOVE PCB  
AS ASSEMBLED

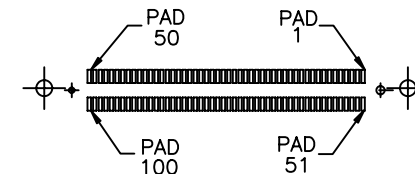
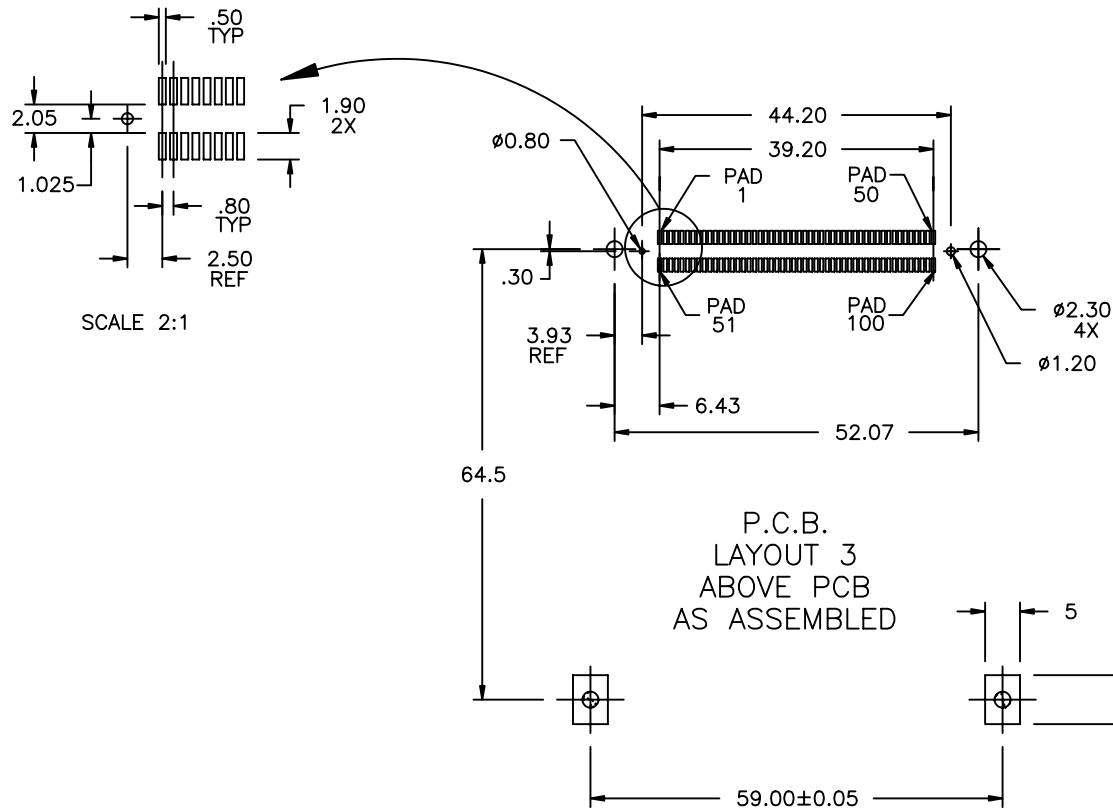
P.C.B.  
LAYOUT 2  
BELOW PCB  
AS ASSEMBLED






mat'l. code				surface ISO 1302		tolerance ISO 406 ISO 1101		projection 		product family			
ltr	ecm no	dr	date	tolerances unless otherwise specified				title					
R				angles	linear	.X±.3				CARDBUS SINGLE DECK ASSY SMT TYPE 123			
						.XX±.13							
				±2'		.XXX±.051		scale:1:1					
				dr	R.GRAPE	7/3/96				dwg no		sheet 8 of 11	size
				enrg	D.BRANN	7/3/96				71299		A4	
				chr	D.BRANN	7/3/96							
				appd	D.BRANN	7/3/96							
sheet index		revision sheet											

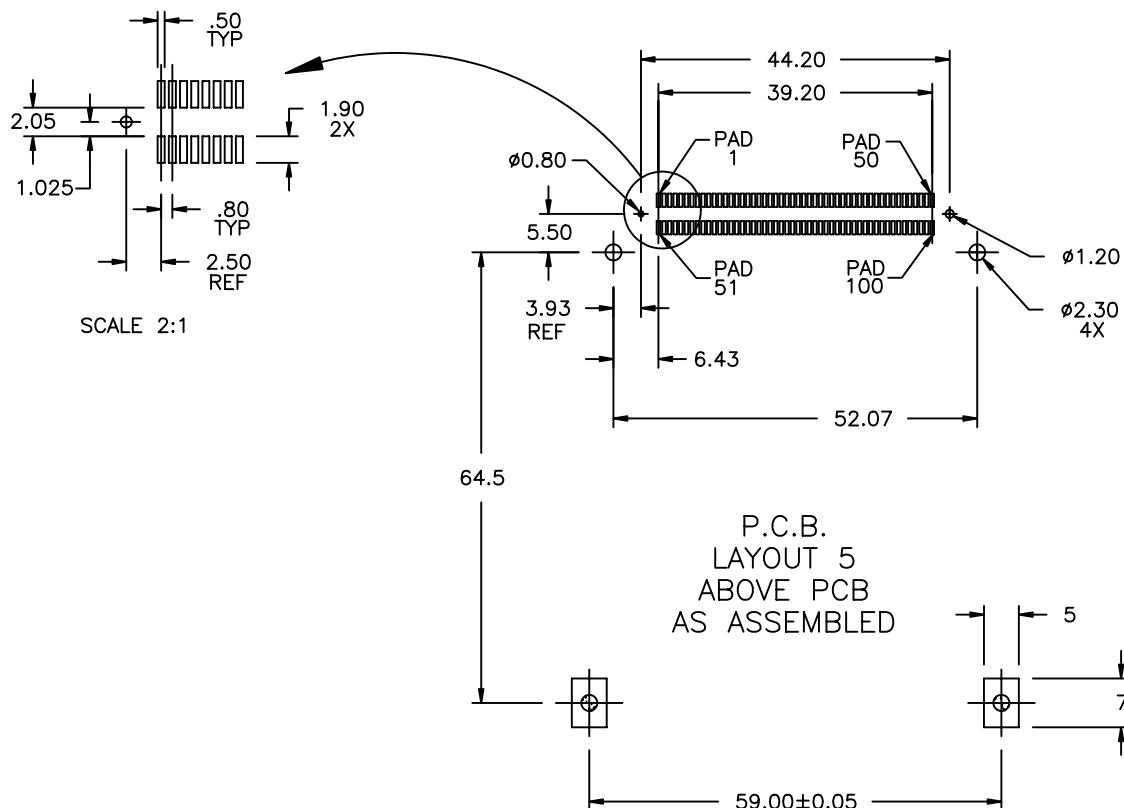


# P.C.B. LAYOUT FOR 4.3 AND 5.0mm STANDOFFS



mat'l. code					surface ISO 1302		tolerance ISO 406 ISO 1101		projection 		product family				
ltr	ecn	no	dr	date	tolerances unless otherwise specified					title					
R					angles	linear	.X±.3			MM 	CARDBUS SINGLE DECK ASSY SMT TYPE 123				
							.XX±.13								
					±2'		.XXX±.051								
							scale:1:1								
					dr	R.GRAPE	7/3/96				dwg no		sheet 9 of 11		size
					enrg	D.BRANN	7/3/96				71299				A4
					chr	D.BRANN	7/3/96								
					appd	D.BRANN	7/3/96								
sheet index		revision sheet									type CUSTOMER Drawing				

# P.C.B. LAYOUT FOR 0mm STANDOFF

[illegible]

1			2			3			4			5			6											
HEADER PINOUT	TYPE	BTB 100 POS RECEPTACLE	HEADER PINOUT	TYPE	BTB 100 POS RECEPTACLE	SHIELD PINOUT	TYPE	BTB 100 POS RECEPTACLE	SHIELD PINOUT	TYPE	BTB 100 POS RECEPTACLE															
1	GND	1	35	GND	51	1	GND	4 & 54	1	GND	4 & 54															
2	SIG	2	36	DET	52	2	GND	7 & 57	2	GND	7 & 57															
3	SIG	3	37	SIG	53	3	GND	10 & 60	3	GND	10 & 60															
4	SIG	5	38	SIG	55	4	GND	13 & 63	4	GND	13 & 63															
5	SIG	6	39	SIG	56	5	GND	16 & 66	5	GND	16 & 66															
6	SIG	8	40	SIG	58	6	GND	19 & 69	6	GND	19 & 69															
7	SIG	9	41	SIG	59	7	GND	22 & 72	7	GND	22 & 72															
8	SIG	11	42	SIG	61	8	GND	25 & 75	8	GND	25 & 75															
9	SIG	12	43	SIG	62	9	GND	26 & 76	9	GND	26 & 76															
10	SIG	14	44	SIG	64	10	GND	29 & 79	10	GND	29 & 79															
11	SIG	15	45	SIG	65	11	GND	32 & 82	11	GND	32 & 82															
12	SIG	17	46	SIG	67	12	GND	35 & 85	12	GND	35 & 85															
13	SIG	18	47	SIG	68	13	GND	38 & 88	13	GND	38 & 88															
14	SIG	20	48	SIG	70	14	GND	41 & 91	14	GND	41 & 91															
15	SIG	21	49	SIG	71	15	GND	44 & 94	15	GND	44 & 94															
16	SIG	23	50	SIG	73	16	GND	47 & 97	16	GND	47 & 97															
17	PWR	24	51	PWR	74																					
18	SIG	27	52	SIG	77																					
19	SIG	28	53	SIG	78																					
20	SIG	30	54	SIG	80																					
21	SIG	31	55	SIG	81																					
22	SIG	33	56	SIG	83																					
23	SIG	34	57	SIG	84																					
24	SIG	36	58	SIG	86																					
25	SIG	37	59	SIG	87																					
26	SIG	39	60	SIG	89																					
27	SIG	40	61	SIG	90																					
28	SIG	42	62	SIG	92																					
29	SIG	43	63	SIG	93																					
30	SIG	45	64	SIG	95																					
31	SIG	46	65	SIG	96																					
32	SIG	48	66	SIG	98																					
33	SIG	49	67	DET	99																					
34	GND	50	68	GND	100																					

## NOTES:

- 8mm MIN CARD EJECT.
- EJECT TRAVEL: 9.5mm
- MATERIAL:
  - HEADER ASSY:  
PLASTIC HOUSING: LCP UL94V-0 BLACK - ABOVE PCB  
LCP UL94V-0 BLACK - BELOW PCB  
PIN: PHOSPHOR BRONZE  
PCB: FR4
  - EJECT MECHANISM ASSY:  
PLASTIC GUIDE: POLYPHTHARAMID UL94V-0 BLACK  
PLASTIC PUSH-ROD BUTTON: POLYPHTHARAMID UL94V-0 BLACK  
COVER PLATE, LINK ARM,  
PUSH ROD: STAINLESS STEEL  
EMI CONTACT: PHOSPHOR BRONZE
  - .8 BTB RECEPTACLE: 73277-101000  
PLASTIC: LCP 94V-0 BLACK  
CONTACT: BeCu
- FINISH (PIN)  
UNDER PLATING: 0.5um MIN Ni  
CONTACT AREA: 0.1um MIN GOLD OVER  
0.5um MIN Pd-Ni  
SOLDER TAIL(TIN LEAD OPTION): 2.5umMIN Sn-Pb  
SOLDER TAIL(LEAD FREE OPTION): 2.5umMIN PURE TIN
- DIM "X"

4.25±0.1	3.5±0.1	5.0±0.1
OTHERS	36,67	1,17,34,35,51,68
- RECOMMENDED SCREW TORQUE: 1.0 TO 1.5 MAX in-lbs. (1.2-1.7 cm-kgs).  
RECOMMENDED HOLD-DOWN 2mm SCREWS (95121)  
AND HEX NUTS (92869-001).
- GS-14-920 SPEC. SHOULD BE APPLIED LEAD FREE P/N.
- IF LEAD FREE P/N.THE HOUSING WILL WITHSTAND EXPOSURE TO 260°C PEAK TEMPERATURE FOR 10 SECONDS IN A WAVE SOLDER APPLICATION WITH A 1.00MM MINIMUM THICK CIRCUIT BOARD.
- IF LEAD FREE P/N.THE PRODUCT MEETS EUROPEAN UNION DIRECTIVES AND OTHER COUNTRY REGULATIONS AS DISCRIBLED IN GS-22-008

mat'l. code				surface	tolerance	projection	product family			
				ISO 1302	ISO 406 ISO 1101					
ltr	ecn no	dr	date	tolerances unless otherwise specified			title			
R				angles	.X±.3		CARDBUS SINGLE DECK ASSY SMT TYPE 123			
				linear	.XX±.13					
				±2°	.XXX±.051	scale:1:1				
				dr	R.GRAPE	7/3/96				
				enrg	D.BRANN	7/3/96				
				chr	D.BRANN	7/3/96				
				appd	D.BRANN	7/3/96				
sheet	revision									
index	sheet									